

Evaluation Station Responsibilities

This section identifies the scientific evaluation stations and their areas of responsibility in reviewing a pesticide registration request. See Chapter III for in-depth guidance on data requirements for the various registration and product types.

I. Medical Toxicology Branch

Evaluates toxicology data pertaining to human effects

40 CFR, Part 158

[Subpart F: Toxicology 158.500 & 158.510](#) (Conventional/home/garden)

[Subpart U: Human Health Assm 158.2050](#) (Biochemicals)

[Subpart V: Toxicology 158.2140](#) (Microbials)

[Subpart C: Toxicology 158.230](#) (EUP - conventional)

[Subpart U: Human Health Assm 158.2083](#) (EUP- biochemical)

[Subpart V: Toxicology 158.2173](#) (EUP- microbial)

[Subpart K: Human Exposure 158.1000-1070](#) (Human exposure conventional)

40 CFR, Part 161

[Subpart D: Toxicology 161.340](#) (Antimicrobials)

California Food and Agricultural Code, Division 7

[FAC section 13121-13135](#) (Chronic toxicity - general)

Title 3, California Code of Regulations

[3 CCR section 6179](#) (Acute/chronic toxicity – adjuvants)

A. Route the following to the Medical Toxicology Branch

- All new products containing new active ingredients (exceptions listed below)
- All new product registration requests for review of acute toxicology studies
- All new active ingredient products for review of chronic toxicology data
- Any submitted chronic toxicology studies
- Label amendments to decrease the signal word or precautionary statements
- Registration Branch identification of a potential unmitigated risk
- New use substantially different from other similar currently registered products
- Dog palatability studies for home use metaldehyde products
- Section 18 or section 24(c) requests for products not registered in California

B. Do not route the following to the Medical Toxicology Branch:

- Applications that do not contain toxicology studies or that contain only partial data, summaries, material safety data sheets or reference book citations. These are considered incomplete, cannot enter the scientific evaluation process, and will be returned to the applicant with a list of the required data
- Spray adjuvants, non-agricultural antimicrobials, manufacturing-use only products, rodenticides in bait boxes or bait block form, non-topical home use repellents, DEET-containing products that comply with the current registration standard, pet dips and shampoos if label includes requirement to wear gloves, and home garden diazinon or chlorpyrifos products which are in compliance with current standard language
- Section 18s and 24(c)s issued from existing registrations, provided the signal word and precautionary statements remain the same.

- Upgrade of signal word to "Danger" with appropriate accompanying precautionary statements for Category I products from 40CFR
- 100% sodium bicarbonate products for use in swimming pools used to increase alkalinity. Label must have the signal word "Caution" and the statement "Keep out of reach of children."
- 100% sodium carbonate products for use in swimming pools to increase alkalinity. Label must have the statement "Caution Irritant. Harmful if swallowed" in accordance with the Hazardous Substance Labeling Guide of the Consumer Product Safety Commission (CPSC)
- Lepidopteran pheromones which conform to the requirements in P/P 99-3
- Products with the active ingredient moved to inert ingredient
- Addition of similar non-food use pattern

II. Chemistry

Evaluates chemistry and environmental fate data

40 CFR, Part 158

[Subpart D: Product Chemistry 158.300-355](#) (Conventional/home/garden)

[Subpart N: Environmental Fate 158.1300](#) (Conventional/

[Subpart U: Environmental Fate 158.2060](#) (Biochemicals)

[Subpart V: Environmental Fate 158.2150](#) (Microbials)

[Subpart C: Environmental Fate 158.260](#) (EUP- conventional)

[Subpart O: Residue Chemistry 158.1400 & 1410](#) (sec. 18)

40 CFR, Part 161

[Subpart C: Product Chemistry 161.150-190](#)

California Food and Agriculture Code

[FAC section 13141- 13152](#) (E-fate)

Title 3, California Code of Regulations

[3 CCR section 6192](#) (Acute toxicity - adjuvants)

A. Route the following to the chemistry evaluation station:

- New product registrations (**except microbials**)
- New active ingredient registrations. These are reviewed for product chemistry data and, if on food or feed, for residue chemistry. Microbials are not routed here unless directed by the Microbiologist-Microbials.
- Label amendments that add use on a food or feed crop
- Section 18 emergency exemption requests
- New or amended spray adjuvants such as crop oils, spreader-stickers, and drift controls for review of efficacy data
- Residue chemistry data submitted to support new or continued registration on a food or feed crop for a section 18
- Products with the first agricultural use of the active ingredient
- Environmental fate AB2021 data for agricultural uses
- Environmental fate data for algaecides and slimicides that are to be released into waterways, disinfectants for greenhouse and nursery use, aquatic algaecides, antifouling agents, and termiticides
- Section 5 Experimental Use Permits EUPs (**except microbials**). The chemistry station evaluates only the EUP-required data listed in 40 CFR, Part 158 and any environmental fate AB2021-type data that are submitted. They will not evaluate any other submitted data such as residue data for crops not listed on the EUP, storage stability data, or other product chemistry studies not required for the EUP. Review of these types of data is deferred until the section 3 submission is received.
- Sanitizer products used on food contact surfaces for verification of Title 21 clearances
- Antifouling paints or coatings containing tributyltin (TBT) for review of release rate data (if submitted – no longer required)

B. Do not route the following to the Chemistry evaluation station:

- Biocides for home and garden indoor use
- Products used only in animal houses, dairies, or other animal husbandry/premises uses
- Products used only in institutional or indoor use sites (PCO-applied products around structures, gardens, and ornamental interiorscapes)
- Microbial products, unless directed by the Microbiology evaluation station

III. Worker Health and Safety

Evaluates human exposure

40 CFR, Part 158

[Subpart K: Human Exposure 158.1000-1070](#)

40 CFR, Part 161

Subpart D: Reentry Protection 161.390 (antimicrobial)

Title 3, California Code of Regulations

[3 CCR sections 6176, 6177, 6183](#)

Note: Supervisors must sign off on the route slip before the product can be routed to the Worker Health and Safety evaluation station

A. Route the following to the Worker Health and Safety evaluation station:

- All section 18's
- Data such as dermal absorption, worker or user exposure, and dislodgable residue on all types of products
- New products and amendments that are flagged on the status sheet as a result of a completed Risk Assessment or mitigation document with changed exposure scenario
- Any product specifically requested by Worker Health and Safety, Registration, or Medical Toxicology branches
- New products and amendments including 24(c)s which have one, or more, of the following:
 - Fumigant use
 - Specialized application methods such as fogging machines and pool or packing house injector systems
 - Self-contained breathing apparatus (SCBA) or supplied air respirators
 - Worker or workplace monitoring requirement
 - Reduction of Personal Protective Equipment (PPE) or engineering controls

- Reduction of Restricted Entry Intervals (REI) or similar type exposure restrictions

B. Do not route the following to the Worker Health and Safety evaluation station:

- New active ingredients found in the following types of products:
 - Spray adjuvants
 - Non-agricultural antimicrobials
 - Manufacturing use only products
 - Industrial use only products
 - Rodenticides in bait boxes or bait block form
- New Category I, II, III, IV products for agricultural or home use for the following:
 - Non-topical home use repellents
 - DEET-containing products that comply with the Registration Standard
 - Pet dips and shampoos (the label must include the requirement to wear gloves)
 - Home garden diazinon/chlorpyrifos products that comply with the current standard language
 - Rodenticides in bait boxes or bait block form
 - Spray adjuvants
- Labels with new or revised First Aid - Statement of Practical Treatment (SOPT) that comply with 40CFR, PR-Notices, U.S. EPA Registration Standards, REDs, regulations, and currently acceptable standard requirements
- Labels revised to comply with a U.S. EPA mandate
- Lepidopteran pheromones that conform to the requirements in P/P 99-3

The Regulatory Scientist (RS) will continue to verify that U.S. EPA Worker Protection Standard (WPS) statements are present on products labels subject to WPS and continue to determine if the First Aid statement on a label complies with current standards based on 40CFR, PR-Notices, and other currently acceptable standard requirements. If a determination cannot be made, the RS should confer with their supervisor.

IV. Pest and Disease Protection

Evaluates product performance data (efficacy) for most non-herbicide or microbial products

40 CFR, Part 158

[Subpart E: Product Performance 158.400](#) (Conventional/home/garden)

[Subpart C: Product Performance 158.220](#) (EUP)

[Subpart U: Product Performance 158.2070](#) (Biochemicals)

* [Subpart U: Non-target Organisms 158.2060](#) (Biochemicals)

[Subpart V: Product Performance 158.2160](#) (Microbials)

* [Subpart V: Non-target Organisms 158.2150](#) (Microbials)

*** Note: Not all non-target organism data is evaluated by PDP. Only non-target organism data for terrestrial, non-target insect testing on beneficial organisms (i.e., effect on ladybugs, predatory mites, etc.) should be routed to PDP. See details below.**

California Food and Agriculture Code

[FAC section 13141-13152](#) (Environmental fate)

Title 3, California Code of Regulations

[3 CCR section 6186](#) (Efficacy – general)

A. Route the following to the Pest and Disease Protection evaluation station:

- All new product registration requests or applicable label amendment requests for insecticides, fungicides, nematocides, pheromones, repellents, bactericides, microbial pesticides, adjuvants and molluscicides used on plants, crops, animals and structures (except fungicides on structural materials)
- All new products for mosquito, biting fly, and flea and tick control on humans and domestic animals including birds, and data for lice control on domestic animals including birds
- All new products for use on stored product pests (pantry pests) and storage diseases (mold, mildew, and rots)
- Label amendments to add any of the above uses
- Wood preservatives to control termites, and other wood destroying insects

- Submissions containing data such as comparison tests, application methods, and effects on beneficial and non-target organisms
- All new structural pest control devices for wood-destroying organisms

B. Do not route the following to the Pest and Disease Protection evaluation station:

- Fungicides on structural materials
- Wood preservatives that control rots and molds. These are reviewed by the microbiology evaluation station

V. Plant Physiology

Evaluates phytotoxicity and product performance (efficacy) data for herbicides, plant growth regulators, defoliants, and desiccants

40 CFR, Part 158

[Subpart G: Nontarget Plant Protection 158.660](#)
(Conventional/home/garden)

[Subpart U: Non-Target Plant Protection 158.2060](#) (Biochemicals)

[Subpart V: Non-Target Plant Protection 158.2160](#) (Microbials)

[Subpart V: Non-Target Plant Testing 158.2174](#) (EUP microbials)

Title 3, California Code of Regulations

[3 CCR section 6192](#) (Phytotoxicity – general)

Route the following to the Plant Physiology evaluation station:

- All new product registration requests or applicable label amendments for herbicides, plant growth regulators, defoliants, and desiccants. These are reviewed for efficacy claims and for phytotoxicity
- Phytotoxicity data for any pesticide, including plant growth regulators and spray adjuvants, applied to desirable plants such as crops, ornamentals, turf, lawns, and forests
- Efficacy data for algaecides on lakes, ponds, and other outdoor uses
- Drift studies for phytotoxicity due to off-site movement

- Studies showing effects on non-target aquatic plants

VI. Fish and Wildlife

Evaluates ecological effects data on aquatic and terrestrial organisms, and product performance (efficacy) data of certain products

40 CFR, Part 158

[Subpart G: 158.630 Terrestrial and Aquatic Nontarget Organisms](#)
(Conventional/home/garden)

[Subpart U: Non-target Organisms 158.2060](#) (Biochemicals)

[Subpart V: Non-target Organisms 158.2150](#) (Microbials)

[Subpart C: Non-target Organisms 158.240 and 158.243](#) (EUP-conventional)

[Subpart U: Non-target Organisms 158.2084](#) (EUP-biochemical)

[Subpart V: Non-target Organisms 158.2174](#) (EUP-microbial)

* [Subpart E: Product Performance 158.400](#) (Conventional/home/garden)

Subpart D: Product Performance 161.640 (Antimicrobials - antifouling paints only)

* [Subpart C: Product Performance 158.220](#) (EUP – conventional)

*** Note: Not all product performance data is evaluated by Fish and Wildlife. Only product performance data for vertebrate control pest products and certain non-lethal repellent products should be routed to Fish and Wildlife. See details below.**

Title 3, California Code of Regulations

[3 CCR section 6187](#) (Bee toxicity), [3 section CCR 6192](#) (Phytotoxicity – general)

A. Route the following to the Fish and Wildlife evaluation station:

- All new products (except adjuvants) or label amendments for products that are likely to come into contact with fish and wildlife and pollinating bees (outdoors) under the label use and under normal use conditions
- All new products or label amendments for products used on agricultural sites, including golf courses, recreation areas, and forestry sites
- Algaecides that may be released into bays, rivers, streams, and fish-bearing waters; i.e., use in cooling towers (except re-circulating towers) drained into bays before new water and product are replaced
- Antifouling boat paints. These products are evaluated for efficacy as well as fish or other aquatic organism toxicity. See exception below for products not requiring fish and wildlife review
- Repellents such as animal and bird repellents, intended to be non-lethal, used on crops or structures. These products are evaluated for efficacy as well as fish and wildlife hazard
- Rodenticides, avicides, and other vertebrate control products. These products are evaluated for efficacy as well as fish and wildlife hazard

B. Do not route the following to the Fish and Wildlife evaluation station:

- Spray adjuvants
- Products labeled for manufacturing-use only
- Label amendments to add the standard wording "Do not apply directly to water, to areas where surface water is present, or to intertidal areas below the mean high water mark."
- Algaecides intended for re-circulating (do not drain) cooling towers
- Lepidopteran pheromones that conform to the requirements in P/P 99-3

VII. Microbiology - Antimicrobials

Evaluates product performance (efficacy) data of all new antimicrobial products and amendments

40 CFR, Part 161

Subpart D: Product Performance 161.640

Title 3, California Code of Regulations

[3 CCR section 6186](#)

A. Route the following to the Microbiology evaluation station:

- Disinfectants and sanitizers (non-agricultural and agricultural setting)
- Wood preservatives for rot, molds, and mildew caused by microorganisms
- Industrial preservatives
- Industrial biocides
- Swimming pool disinfectants, algaecides, and water modifiers
- Other water disinfectants
- Confirmatory study data for products registered as identical but with a different EPA Est. No. or products with formulation changes
- Antimicrobial precursors

B. Do not route the following to the Microbiology evaluation station:

Sodium and calcium hypochlorite products which comply with specific labeling and percent of active ingredient outlined in U.S. EPA's 1986 "Guidance for the Reregistration of Pesticide Products Containing Sodium and Calcium Hypochlorite Salts as the Active Ingredient." Exceptions are products labeled for Hubbard and immersion tanks, conditioning live oysters, or toilet bowl sanitizers. The exceptions require submission and evaluation of efficacy data prior to registration.

VIII. Microbiology - Microbials and Biochemicals

Evaluates chemistry data of microbial and biochemical products

40 CFR, Part 161

[Subpart U: Chemistry 158.2030](#) (biochemicals)

[Subpart V: Product Analysis 158.2120](#) (microbials)

[Subpart U: Chemistry 158.2081-2082](#) (EUP biochemicals)

[Subpart V: Product Analysis 158.2171 & 158.2172](#) (EUP microbials)

Title 3, California Code of Regulations

[3 CCR section 6186](#)

Route the following to the Microbiology:

- All microbial products are routed to microbiology for review of chemistry data
- All formula revisions for biochemical products are routed to Microbiology

IX. Environmental Monitoring Branch

Evaluates environmental impact of certain products

40 CFR, Part 158

[Subpart N: Environmental Fate 158.1300](#)

[Subpart U: Environmental Fate 158.2060](#) (biochemicals)

[Subpart V: Environmental Fate 158.2150](#) (microbials)

[Subpart C: Environmental Fate 158.260](#) (EUP conventional)

[Subpart G: 158.630 Terrestrial and Aquatic Nontarget Organisms](#)
(Conventional/home/garden)

[Subpart U: Non-target Organisms 158.2060](#) (Biochemicals)

[Subpart V: Non-target Organisms 158.2150](#) (Microbials)

[Subpart C: Non-target Organisms 158.240 and 158.243](#) (EUP-conventional)

[Subpart U: Non-target Organisms 158.2084](#) (EUP-biochemical)

[Subpart V: Non-target Organisms 158.2174](#) (EUP-microbial)

California Food and Agricultural Code, Division 7

[FAC section 13141-13152](#) (efate)

Title 3, California Code of Regulations

[3 CCR section 6191](#) (TGA)

A. Route the following to the Environmental Monitoring Branch:

- Environmental adverse effects disclosures
- All new active ingredient products that trigger SNVs for likelihood to leach
- VOC data
- Toxic air contaminant data (AB1807)
- All products intended to be applied to water including new products, label amendments, section 24(c)s, or section 18s. (with or without data)

- All products intended to be used on rice including new products, label amendments, section 24(c)s, or section 18s (with or without data)

X. Pest Management and Licensing Branch

Evaluates pest management portion of requests for interim registration

California Food and Agricultural Code, Division 7

[FAC section 13161-13170](#) (Interim Registration)

A. Route the following to the Pest Management and Licensing Branch

Interim Registration requests for review of the Pest Management System portion.

XI. Endangered Species Program in the Pest Management and Licensing Branch

Evaluates certain products for endangered species concerns

A. The Endangered Species evaluation station reviews the following for endangered species impact:

- Section 18 requests
- Product registrations and label amendments as determined by the Regulatory Scientist